


FacultyProfile

PersonalDetails

Name	Dr. Sunita Kale	
Designation	Professor (CAS)	
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AcademicQualifications

Degree	Specialization	University	Year of Passing
UG	Home Science	VNMKV, Parbhani	1984
PG	Home Science Textile and Clothing	SGBAU Amravati	1986
Ph.D	Home Science Textile and Clothing	SGBAU Amravati	2008
AdditionalQualification(ifany):AdditionalDegree/Diploma/NET/SET			

Professional Experience

Stream	Years	Stream	Years
Teaching	38	Research	25
Extension	38	Administration	

Area of Research/Interest

Textile Designing, Dyeing and Printing

ResearchGuidance

Degree	No. of Student & Guided
M.Sc./M.Tech/ M. Des	Nil
Ph.D.	Nil

Research Accomplishments (Recent Ten Most Important Publications)

Sr.No	Title	Journal	ISSN/ISBN	NAAS Rating
01	Sunita Kale, Sangita Naik and Manisha Karhale (2017), Mango Kernel Starch – A Natural and Indigenous Sizing Agent For Cotton Fabric	International Journal of Science and Nature, December 2017 VOL.8 (4) 2017, 888-891,	ISSN 2229-6441	3.70
02	Sunita Kale, Sangita Naik and Manisha Karhale (2018) Health problems and clothing pattern of women workers of chili pounding units	Sustainable development of women, Part I, Book chapter, Mark Books Publisher and Distributors, 238-245	ISBN 978-93-83131-73-0	-
03	Sunita Kale, Sangita Naik and Manisha Karhale (2018) Technology transfer of eco holicolour preparation for income generation	Asian Journal of Home Science volume -13, December 2018, Issue -2, page no 642-645	ISSN 0973-4732	-
04	Sunita Kale, Sangita Naik and Manisha Karhale (2019) Printing of silk fabric using Eco-friendly textile Auxiliaries	Ecology, Environment & Conservation, 25 (2) : 2019; 142-145	ISSN 0971-765X	-
05	Sunita Kale, Sangita Naik and Manisha Karhale (2019) Protective clothing for woman farm workers engaged in soya bean harvesting	Multilogic in science. Vol. IX issue XXXI, October 2019	ISSN : 2277-760,	5.20
06	Sunita Kale and Manisha Karhale (2019) False Black Pepper (Emblia Ribes) seed-Natural colourant for wool dyeing	Current Journal of Applied Science and Technology, Vol. 38 (04-05) : 2019; 1-8	ISSN 2457-1024,	5.32
07	Sunita Kale (2020) Screening of phytochemical components of leaf extracts	International Journal of current microbiology and applied sciences; Volume 9 Number 9 (2020) 2394-2401	ISSN:2319-7706	5.38
08	Sunita Kale (2020) Wet Processing of Textiles Using Environment Friendly Agents	Multilogic In Science, Vol. X, Issue XXXV, October 2020	ISSN 2277-7601,	5.20
09	Madhuri Kulkarni, Jayashree Suryatal and Sunita Kale (2021) Effect of Designed Protective Clothing on Physiological Workload of Pesticide Application Activity	International Journal of current microbiology and applied sciences Volume 10 Number 4 (2021),	N: 2319-7706	5.38
10	Irfana Siddiqui, Medha Umarikar, Sunita Kale and Rupali Patange (2021) 'Designing and evaluation of protective face mask for Covid-19	Man Made Textile in India, Vol. XLIX No 8, 259-265,	ISBN no 0377-7537	3.32

Credentials:

Particulars	Numbers	Particulars	Numbers
ResearchArticles	34	Popular Articles	30
Books / Booklets	08	BookChapters	06
Research/Technology Recommendations	07	Varieties Developed	---
Patents	Nil	Abstracts Published	12
Technical Publication	04		

Significant Achievements (Top Five)

Patent/IP/Technologies/ Varieties/Machineries Developed / Methodologies/ Recommendations	Year
It is recommended to use 1% mango kernel starch on cotton fabric and 4 % mango kernel starch on silk fabric as a thickening agent for the purpose of block printing	2016-17
It is recommended to use 10 % mango kernel starch on cotton and silk fabrics as a thickening agent for the purpose of screen printing	2017-18
It is recommended that the fibers can be extracted from fresh as well as dry corn husk for multiple uses	2018-19
For Eco-friendly antimicrobial finish on cotton fabric use of 2 % Aonla leaves extract taken out 70 % Ethanol is recommended	2019-20
VNMKV Parbhani developed featured face mask of double layered poplin lined with muslin single layered cloth is recommended to use for protection from COVID 19	2020-21
It is recommended that for stitching stretchable sari blouse its fabric need to be cut in diagonal direction by adopting VNMKV Parbhani developed method	2020-21
Dry petals of dark red rose flowers can be used for dyeing of cotton fabric	2021-22
It is recommended that VNMKV developed eco-friendly dye prepared by boiling 1 gm of coconut husk in 100 ml water for 30 min, for dyeing 1 gm of cotton & silk fabric each and to make the dye fast, the dyed fabric should be soaked in 0.4 mg Alum / 0.6 mg Ferrous sulphate / 0.8 mg Copper sulphate mordant solution for 15 minutes.	2022-23
Externally Funded Projects: Implemented/Handled/Assisted - All India Coordinated Research Project- Women in Agriculture.	

Awards/Recognitions (Top Five)

1. Merit Certificate at M. Sc. level
2. Commendation certificate in faculty development program NAARM, Hyderabad
3. Best poster presentation award in NRMELSI 2005 at Ooty
4. As Unit Co-ordinator received Chaudhari Devi Lal Outstanding AICRP Award 2003 on the behalf of the MAU center
5. Best poster presentation award in International Seminar CCAW 2017